RMRS Rocky Mountain Remediation Services, L L.C.
protecting the environment

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September 29, 1997

Distribution
Rocky Flats Environmental Technology Site

MEETING MINUTES OF THE BUILDING 779 CLOSURE SCOPING MEETING, SEPTEMBER 17, 1997 — KDT-104-97

PURPOSE
This letter transmits the meeting minutes of the Building 779 Closure Scoping meeting held on September 17, 1997

DISCUSSION
Attached, please find the following

- Minutes (Attachment 1)
- Agenda (Attachment 2)
- Korenko Presentation (Attachment 3)
- Fall Activity List (Attachment 4)
- Building 779 Schedule (Attachment 5)
- Meeting Roster (Attachment 6)

RESPONSE REQUIREMENTS
No response is required If you have any questions, please contact me at (303) 966-6383, digital page 5443, or facsimile 8244

Kelly D Trice, Vice President
Engineering/Construction/Decommissioning/Facilities

alk

Attachments
As Stated (5)

Distribution

CDPHE
E Kray
C Gilbreath
E Smith

DOE
F W Gerdeman
D J Nickless
J J Rampe

EPA
M Aguilar

Kaiser-Hill, L L C
B E Evans
R M Leitner
G McMahan
A M Parker
J W Whiting

RMRS, L L C
M E Hickman
T A Hopkins
A L Kesson
J P Schmuck

K T Trice
K O Zbryk

SEG
M T Aycock

SSOC, L L C
M Korenko

ADMIN RECORD
B779-A-00001

BUILDING 779 CLOSURE PROJECT SCOPING MEETING
September 17, 1997

Representatives of RMRS, Kaiser-Hill, SSOC, DOE/RFFO, EPA, and the CDPHE were in attendance

Key Members/Principal Project Leaders

Mike Korenko, SSOC and
Kelly Trice, RMRS

Project Objective (Mike Korenko)

- The intent is to blend core competencies into this project, incorporating teaming agreement, and define how each organization is assigned
- Close Building 779 in less than two years and its cluster
  - New territory with numerous challenges
- Execute Decommissioning Operations Plan (DOP) which falls within Rocky Flats Cleanup Agreement (RFCA) requirements

Organization Structure (Attachment 3)

BUILDING 779 CLOSURE PROJECT TEAM MEMBERS

Closure Project Manager	Mike Korenko
Deputy Manager	Kelly Trice
Integration Manager	Mark Hickman
RadCon Officer	1 Ken Harwood 2 James Harris
Site Safety Officer	Tonya Sangaline
Work Release Managers	TBD
Surveillance & Maintenance Managers	Carl Gibson
Waste Manager	Kathy Zbryk
Decommissioning Managers	1 Rick Vonfeldt 2 Chris Lee 3 Brian Fricks 4 Hoss Brown
Technical Support Manager	Julie Hamrick

Note Team members will wear similar badges

Worker Safety Approach (Attachment 3)

Training

- Generic and specific training matrixes will be created
- Enhanced worker approach risk identifying training
- Communications - safety indicators for tracking

Plant

- criticality detectors - putting in triple-head covers
- air monitors - SAMS replaced with CAMS to mobile CAM system
- fire systems - needs upgrading
- electrical systems - need special attention such as power cut-off

Procedures

- Authorization Basis Strategy
  - Establish a discipline framework
  - Make it simpler to make progress quicker

Fall Activity List (Attachment 4)
(Before DOP approved - Project Approach)

- Pilot approach or approaches to glovebox removal
  - Need union to practice and train on approach
  - Nov /Dec time frame to train approx
    75 D&D workers and
    16 EO and process specialists
- State request meeting of pilot glovebox approach
  (Note This meeting to be held October 6, 1997 from 1 00 pm to 2 00 pm in the Building 130 War Room)

(Tabled for now, in future discuss approaches to glovebox removal)

Building 779 Schedule (Kelly Trice) (Attachment 5)

- October - January Engineering/Planning/Management, D&D to start
- October 15, 1997 Kelly challenged meeting participants to have final DOP to the State (DOP was initially out for review January and April 1996 (old DOP), however, the final DOP's issue date is targeted for January 1, 1998)
- December 1, 19987 Final Reconnaissance Characterization Report
- January - February initial training/In-process survey
- February - August 1998 - Primary glovebox removal
  (As many as 10 teams - five per shift)
- July 30, 1999 complete demolition of Building 779
  (Demolition can be done on all or parts of Building)

Release Criteria
May hold demolition time frames
Use 1 86 as conservative - worse case scenario

Gloveboxes
Recent approaches are included in the new DOP Some degree of detail was noted as lacking, would be a real advantage to put new techniques and details regarding HVAC, etc All but two have hold-up of less than 200 grams Lead will be shipped to NTS

Beryllium Contaminated Waste
Ted Hopkins wrote a white paper that clarified that wastes are not subject to the "zero" beryllium standard Worker safety is the predominant regulatory driver regarding the management of beryllium contaminated wastes

Demolition/Building Structure
With respect to waste minimization and cost, the action taken will be on a case-by-case basis evaluating trade offs, inventory, and surveys It was noted that the building structure is the largest volume of material

DOP
The DOP will follow the format previously submitted to the State, but with added information that will allow it to be a "stand alone" document

Mark Hickman expects to have the DOP out by next week and back out again October 15 for review/ public comment Two sections have been added for clarity RCRA closure and ARARs The DOP calls for bringing the entire cluster down and leaving slabs in place

It was determined that the DOP, in regards to human health issues during demolition, will not be extremely specific, however, there will be other submittals and more methods will be given than will be used

The State further suggested a need for more details, for instance, one line in document to say issues will be resolved when needed Such obstacles as an IHSS in area, take care of issues up front A draft DOP will be submitted to the State by September 26, 1997 and final DOP October 15, 1997

It was proposed that terms such as "take down" and the final status of the site, can be more clearly defined

Public/Stakeholders
The public and stakeholders need more reassurance to know that their comments are considered as to change/impact to the DOP

Funding

- Approximately 8 Million in the budget for FY98
- Need another 4 to 5 Million to complete
  (The longer the delay to tear down, the more funding required)

RCRA Units in Building 779 (Ted Hopkins) (Attachment 5)
Three options are available for RCRA clean closure for the gloveboxes depending upon the radiation categorization TRU mixed or LL mixed

WIPP
WIPP probably not an issue, a lot of gloveboxes will end up being TRU

CERCLA
Concern was raised over CERCLA off site rule in RFCA, and the need to look into this more carefully Ted Hopkins is familiar with this rule and will forward information to Edd Kray Edd Kray asked for clarification regarding scrap metals that are recycled, and if this rule would apply Ted Hopkins has the action item to supply Edd Kray with documents related to the CERCLA off site authority

SOPs
There are no new SOPs developed Old ones will be used until new ones are produced

Waste Streams Characterization (Mark Hickman)

- Completed 690 Trailer removals Characterization Plan
- Completed 779 Characterization Plan - some sampling needs to be done
- Reconnaissance Level Characterization Report will be revised and out at the end of October

State Participation/Meetings

More frequent State involvement such as meetings on demand (the more participation the better) was suggested, therefore,

- A Management Review Strategy Meeting will be held in the next two weeks The meeting has been scheduled for September 29, 1997 in the Building 111 Auditorium from 7 00 AM to 12 00 pm
- Glovebox Technology meeting has been scheduled for October 6, 1997 in the 130 War Room from 1 00 pm to 2 00 pm
- 779 DOP meeting has been scheduled for October 6, 1997 in the 130 War Room from 2 00 pm to 4 00 pm

779 Closure Project Scoping Meeting September 17, 1997

Introduction Alan Parker

State perspectives

Project introduction Mike Korenko
- **Project objective**
- **Physical description of 779 cluster**
- **SSOC/RMRS teaming agreement**
- **Functional description of organization chart**
- **Introduction of responsible managers**
- **Worker safety**
- **State participation**

Project approach Mike Korenko / Kelly Trice
- **Fall activity list**
- **Summary level project phases**
- **Technical approach**

Regulatory requirements Mark Hickman / Ted Hopkins
- **Decommissioning Operations Plan**
- **Historical RCRA units**
- **90 day system**
- **Characterization strategy**
- **Waste strategy**

Comments by State

Building Closure Project
Scoping Meeting

September 17, 1997

Building 779 Closure
Scoping Meeting

September 17, 1997

Introduction - Alan Parker

State Perspectives

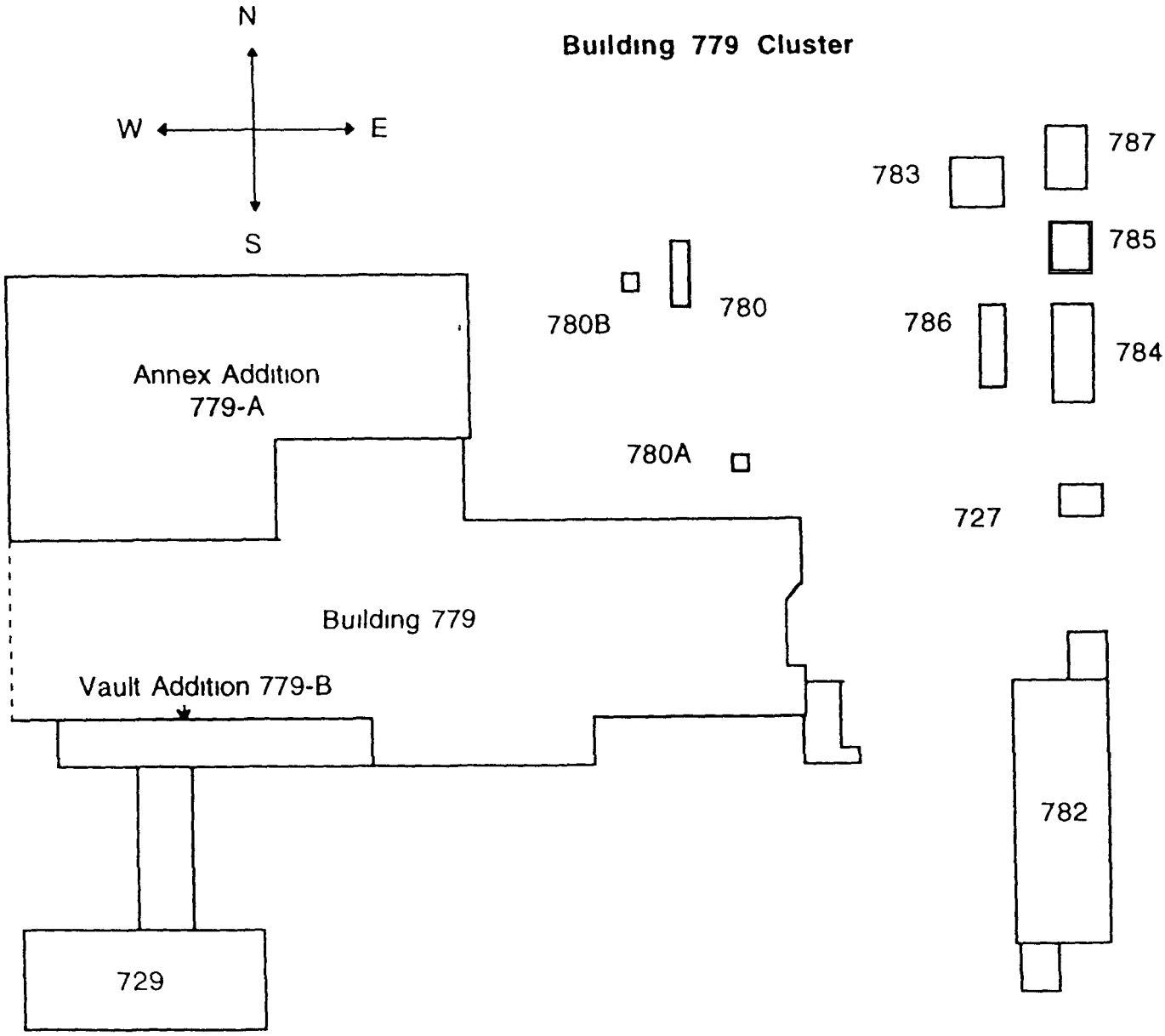
Project Introduction - Mike Korenko

Project Approach - Mike Korenko / Kelly Trice

Regulatory Requirements - Mark Hickman / Ted Hopkins

Comments by State

Building 779 Cluster

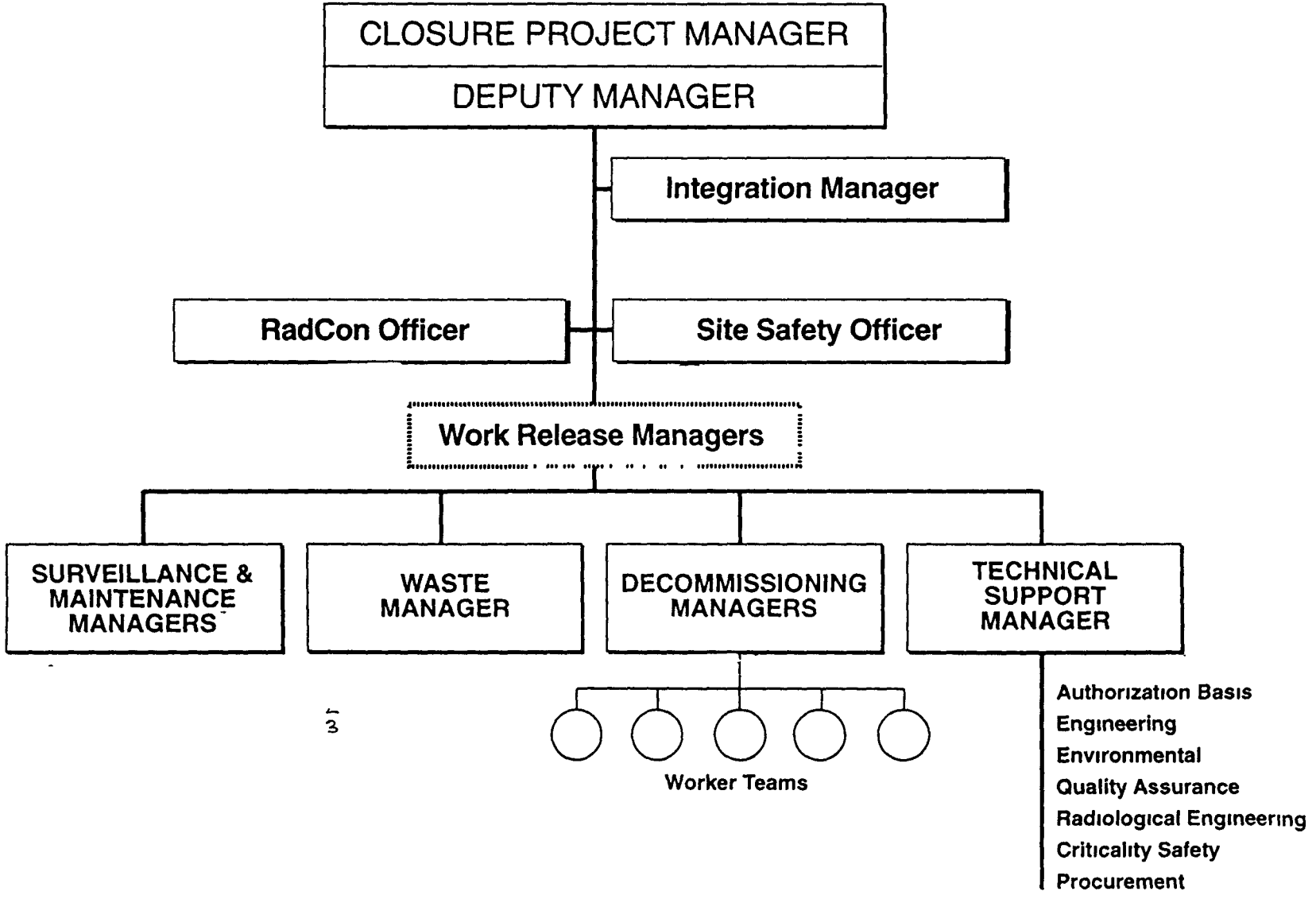


727	Emergency diesel generator facility serving Building 779
729	Facility containing filter plenums and emergency diesel generator
779	Research and Development Center
780	Paint/Storage Facility
780A	Metal Storage Facility
780B	Gas Bottle Storage Facility
782	Filter Plenum Exhaust Enclosure For Building 779 Exhaust
783	Building 779 Cooling Tower Pump House
784	Building 779 Cooling Tower Support Facility (A B, C D)
785	Building 779 Cooling Tower Support Facility
786	Building 779 Cooling Tower West Chiller
787	Building 779 Cooling Tower East Chiller (A B, C D)

Figure 1-2

Project Objective

Close the Building 779 Cluster in less than two years


CLOSURE PROJECT MANAGER
DEPUTY MANAGER
Integration Manager
RadCon Officer
Site Safety Officer
Work Release Managers
SURVEILLANCE & MAINTENANCE MANAGERS
WASTE MANAGER
DECOMMISSIONING MANAGERS
TECHNICAL SUPPORT MANAGER
Worker Teams
Authorization Basis
Engineering
Environmental
Quality Assurance
Radiological Engineering
Criticality Safety
Procurement

Worker Safety Approach

People

- training
- enhanced worker approach
- communications

Plant

- criticality detectors
- air monitors
- fire systems
- electrical systems
- facility room graphics

Procedures

- Authorizations Basis strategy
- AB & Regulatory through work release managers
- worker procedures

Fall Activity List

Housekeeping

Maintenance

Installation of criticality detectors, air monitors

Asbestos abatement

Removal of furniture and equipment

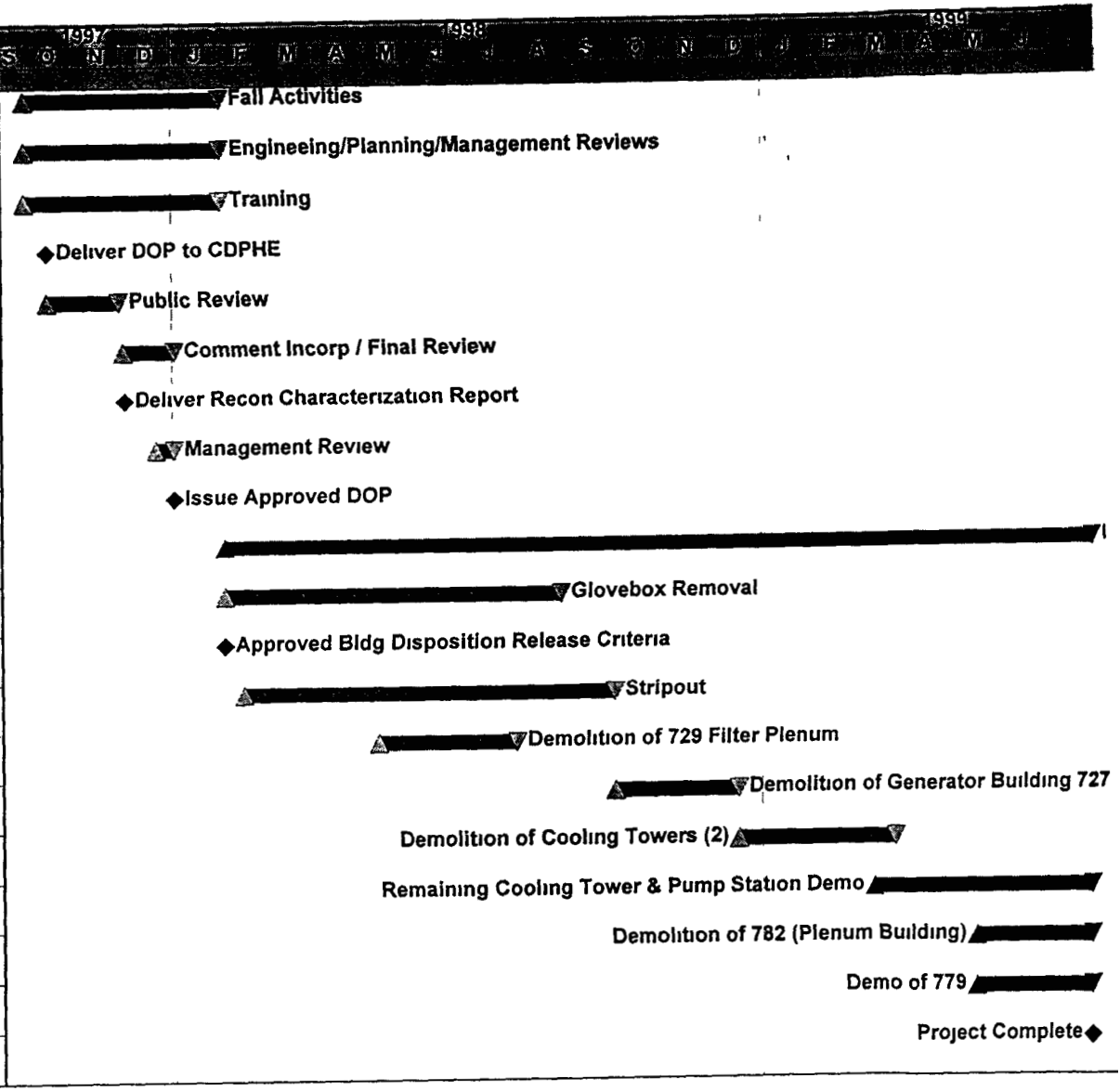
Complete the removal of loose equipment etc., from inside gloveboxes

Characterization

Pilot approach or approaches to glovebox removal

Attachment 2
KDT-104-97
Page 1 of 5

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish
0051	Fall Activities	88	88	01OCT97*	30JAN98
0061	Engineering/Planning/Manage Reviews	88	88	01OCT97*	30JAN98
0071	Training	88	88	01OCT97*	30JAN98
001	Deliver DOP to CDPHE	0	0	15OCT97*	
0011	Public Review	45	45	15OCT97	28NOV97
0021	Comment Incorp / Final Review	24	24	01DEC97	01JAN98
0041	Deliver Recon Characterization Report	0	0		01DEC97*
0081	Management Review	9	9	22DEC97*	01JAN98
0031	Issue Approved DOP	0	0		01JAN98
00151	Final Status Survey (start with 727)	390	390	02FEB98*	30JUL99
0091	Glovebox Removal	150	150	02FEB98*	28AUG98
00181	Approved Bldg Disposition Release Criteria	0	0	02FEB98*	
00101	Stripout	164	164	13FEB98*	30SEP98
00111	Demolition of 729 Filter Plenum	61	61	08MAY98*	31JUL98
00121	Demolition of Generator Building 727	55	55	01OCT98*	16DEC98
00131	Demolition of Cooling Towers (2)	71	71	17DEC98*	25MAR99
00191	Remaining Cooling Tower & Pump Station Demo	101	101	12MAR99*	30JUL99
00141	Demolition of 782 (Plenum Building)	55	55	17MAY99*	30JUL99
00161	Demo of 779	55	55	17MAY99*	30JUL99
00171	Project Complete	0	0		30JUL99*



Project Start	16SEP97
Project Finish	30JUL99
Data Date	16SEP97
Run Date	17SEP97

Early Bar
Progress Bar
Critical Activity

X779

Building 779 Schedule

Technical Approach to the 779 Cluster D&D Project

MAJOR D&D ELEMENTS	TECHNICAL APPROACH
Glove Boxes	• Hydraulic shear/ cold cutting techniques • Loose material removed/ strip coating • Utility isolation (ventilation last) • Holdup characterization • PERMACON/ in place soft-side containment • Limited size reduction • Low Level Mixed Waste (macroencapsulation)
Ventilation	• Annex B, A modifications • Use of portable HEPAs and CAMs • Maintain negative ventilation until end of project • The last major element to remove will be the ventilation system
Piping System	• Characterized/ flushed/ drained during removal • Segregate/packaged based on characteristics or process knowledge
Beryllium Contaminated Equipment (Excess Equipment)	• Follow "zero" added beryllium standard for free release to the public • Decontamination (wipe method) OSHA
Beryllium Contaminated Waste (Proposed Approach)	• Job Safety Analysis/Hazard Analysis • Identify worker safety requirements • Contain beryllium contamination (shrink wrap, containerization) • Size reduce (if necessary) and meet WAC of receiving facility • Notify disposal site of the possible receipt of beryllium contaminated wastes
Demolition / Building Structure	• Fix or decontaminated structure to facilitate demolition without exterior containment • Use approved Rocky Flats release criteria • If unable to meet free release criteria, ship waste to Nevada Test Site as LLW • Outbuildings demolished in parallel with Building 779 D&D

SUMMARY OF WASTE MANAGEMENT PLAN
779 CLUSTER D&D PROJECT

WASTE STREAM	ON-SITE PACKAGING	FINAL DISPOSITION
ASBESTOS NON-RAD • Friable • Non-friable	55 gallon drums or strong tight boxes, friable 6 mm plastic double bagged ,	• Friable-Kettlemen • Non-friable- U S A Waste
ASBESTOS RAD • Friable • Non-friable	6 mm plastic double bagged, or strong tight boxes/crates,White 55 gallon drums or boxes	• NTS does not make a distinction between friable vs non-friable
PCBs NON-RAD • ballasts non-leaking	Black and yellow drum with a plastic liner	• Chem Waste contract to Rollins Inc at Deerpark, Tx
PCBs NON-RAD • leaking ballasts and all other regulated PCBs (articles, etc)	Black and yellow drum with plastic liner, document on traveler if TSCA regulated	• Chem Waste contract to Rollins Inc at Deerpark, Tx
PCBs RAD • ballasts, non-leaking (LLW only, not TSCA regulated)	White drum with a plastic liner	• NTS? No contract in place • Oak Ridge
PCBs RAD • Leaking ballasts and all other rad contaminated (LLW) and TSCA regulated wastes	White drum with a plastic liner	• Oak Ridge? • INEEL, Advanced Mixed Waste Treatment Facility (when built)
Hazardous Waste NON-RAD • florescent tubes • Solvents, Paints, lead, chemicals, metals	Black and white drum • tubes crushed on-site	• Chem Waste Contract
Mixed Wastes RAD • Non-homogeneous • Homogeneous	White 55 gallon drum	• Non homogeneous LLMW does not have a designated disposal site at this time • Envirocare, Utah
Low Level Waste • plaster, wall materials, windows, panels, cement, etc	White drum or white boxes ½ or full size wooden crates complying with WO 1100 or WO 4034	• Nevada Test Site
Sanitary or Industrial Waste NON-RAD	Roll offs either 20 or 30 yard roll offs	• U S A Waste, Erie, Colorado
TRU	On-site storage	• WIPP
TRU Mixed	On-site storage	• WIPP

WASTE STREAMS FROM THE 779 CLUSTER THAT WILL REQUIRE ADDITIONAL CHARACTERIZATION

WASTE STREAM	ACTION
PCBs • PAINTS • INSULATION • ADHESIVES • TAR/ROOFING MATERIALS	Develop statistically valid representative sampling for each waste stream, conduct sampling and extrapolate results to the remainder of the 779 Cluster
LEAD • PAINT	Develop statistically valid representative sampling for each waste stream, conduct sampling and extrapolate results to the remainder of the 779 Cluster
RADIOACTIVE SURVEYS • ABOVE 2 METERS	Survey 10%-25% of the grids
BERYLLIUM • EXCESS EQUIPMENT • WASTES	The main driver for beryllium contamination is OSHA For excess equipment, a zero beryllium standard is in place for free release to the public The site has put together a team to revisit this zero beryllium standard for excess equipment The zero beryllium standard does not apply to wastes RMRS has proposed a management system that would allow the disposal of beryllium contaminated wastes without decontamination
MERCURY RAD CONTAMINATED • DRAINS	Characterize residues in drains Elemental mercury contaminated with radioactivity requires a specified treatment technology—Amalgamation

RCRA UNITS IN BUILDING 779

UNIT #	BUILDING	TYPE OF UNIT	STATUS
90 37 (Room 131 Container Storage), 90 42, 90 43, 90 92	779	CONTAINER STORAGE	Closed in compliance with 6 CCR 1007-3 Part 264
90 38 (Room 133 Container Storage) 90 39, 90 42, 90 43, 90 92,	779	CONTAINER STORAGE	Closed subject to Residue Compliance Order and (6 CCR 1007-3 Part 265 requirements)
90 40, 90 41, 90 44, 90 91, 90 93, 90 123, 90 144, 90 145	779	CONTAINER STORAGE	Withdrawn on 10/26/94
90 38 Glove box in room 133	779	CONTAINER STORAGE GLOVE BOX	Withdrawn 2/21/95
90 37, 90 38, 90 43,	779	CONTAINER STORAGE GLOVE BOX	Permitted unit needing final Closure, unit left in RCRA stable condition under old Rocky Flats RCRA Permit
T-5 Tank System	779	RCRA Tank System	Closed 9/29/95 in accordance with 6 CCR 1007-3, Part 265 as applicable to < 90 day units